

12-14-01

PORTER WRIGHT MORRIS & ARTHUR LLP  
Attorneys & Counselors at Law



Edwin M. Baranowski  
Patents and Trademarks  
614-227-2188  
ebaranowski@porterwright.com

41 South High Street  
Columbus, Ohio 43215-6194

Facsimile: 614-227-2100  
Toll Free: 800-533-2794

**By Express Mail Receipt EL817538590 on December 14, 2001**

Box Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

|     |                |  |
|-----|----------------|--|
| Re: | Inventor:      | Joseph M. Starita  |
|     | Serial Number: | To be assigned   |
|     | Filed          | December 14, 2001  |
|     | Title:         | MELT BLENDED HIGH-DENSITY POLYETHYLENE COMPOSITIONS<br>WITH ENHANCED PROPERTIES AND METHOD FOR PRODUCING<br>THE SAME |

Dear Sir:

For filing, we are enclosing the following in the above-referenced application for United States Letters Patent:

1. Utility Patent Application Transmittal, PTO/SB/05
2. Fee Transmittal, PTO/SB/17, including Authorization re: Deposit Account 16-2326 (in duplicate)
3. Application for United States Letters Patent (18 pages paragraphs 0001-0058) Abstract (paragraph 0059) 4 claims); 5 sheets of drawings
4. Declaration

A Certificate of Filing by Express Mail follows on page 2 of this cover letter.

Please acknowledge receipt of the foregoing by stamping the enclosed postcard and returning it to us for our file.

Very truly yours,

Edwin M. Baranowski

Enclosures

Commissioner for Patents

Inventor: Joseph M. Starita

Title: MELT BLENDED HIGH-DENSITY POLYETHYLENE COMPOSITIONS  
WITH ENHANCED PROPERTIES AND METHOD FOR PRODUCING  
THE SAME

December 14, 2001

Page 2

### **CERTIFICATE OF FILING BY EXPRESS MAIL**

I hereby certify that this Application United States Letters Patent comprising:

1. Utility Patent Application Transmittal, PTO/SB/05
2. Fee Transmittal, PTO/SB/17, including Authorization re: Deposit Account 16-2326 (in duplicate)
3. Application for United States Letters Patent 18 pages (paragraphs 0001-0058) Abstract (paragraph 0059) 4 claims); 5 sheets of drawings
4. Declaration

accompanied by an itemized postcard receipt, is being deposited with the United States Postal Service by Express Mail Receipt No. EL817538590US in an envelope addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231 on December 14, 2001.



Edwin M. Baranowski

12/14/01  
JC843 U.S. PTO

Please type a plus sign (+) inside this box → ☒

Approved for use through 10/31/2002. OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 3994648-129160  
First Inventor Joseph M. Starita  
Title Melt Blended High-Density Polyethylene...  
Express Mail Label No. EL817538590

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 19]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Pages ]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

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Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

or ☐ Correspondence address below

23570

Name Edwin M. Baranowski  
Address Porter Wright Morris & Arthur LLP  
41 South High Street  
City Columbus State Ohio Zip Code 43215  
Country USA Telephone 614/227-2188 Fax 227-2100

Name (Print/Type) Edwin M. Baranowski Registration No. (Attorney/Agent) 27,482  
Signature *Edwin M. Baranowski* Date 12/14/2001

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

## Complete if Known

Application Number  
Filing Date **December 14, 2001**  
First Named Inventor **Joseph M. Starita**  
Examiner Name  
Group Art Unit  
Attorney Docket No. **3994648-129160**

TOTAL AMOUNT OF PAYMENT (\$ **370.00**)

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **16-2326**  
Deposit Account Name **Porter Wright Morris & Arthur**

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid   |
|----------------------------|----------------------------|------------------------|------------|
| 101 710                    | 201 355                    | Utility filing fee     | <b>370</b> |
| 106 320                    | 206 160                    | Design filing fee      |            |
| 107 490                    | 207 245                    | Plant filing fee       |            |
| 108 710                    | 208 355                    | Reissue filing fee     |            |
| 114 150                    | 214 75                     | Provisional filing fee |            |

SUBTOTAL (1) (\$ **370**)

### 2. EXTRA CLAIM FEES

Total Claims  -20\*\* =  X  =   
Independent Claims  -3\*\* =  X  =   
Multiple Dependent  =

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 103 18                     | 203 9                      | Claims in excess of 20                                     |          |
| 102 80                     | 202 40                     | Independent claims in excess of 3                          |          |
| 104 270                    | 204 135                    | Multiple dependent claim, if not paid                      |          |
| 109 80                     | 209 40                     | ** Reissue independent claims over original patent         |          |
| 110 18                     | 210 9                      | ** Reissue claims in excess of 20 and over original patent |          |

SUBTOTAL (2) (\$ )

\*for number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105 130                    | 205 65                     | Surcharge - late filing fee or oath  |          |
| 127 50                     | 227 25                     | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139 130                    | 139 130                    | Non-English specification  |          |
| 147 2,520                  | 147 2,520                  | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112 920*                   | 112 920*                   | Requesting publication of SIR prior to Examiner action                     |          |
| 113 1,840*                 | 113 1,840*                 | Requesting publication of SIR after Examiner action                        |          |
| 115 110                    | 215 55                     | Extension for reply within first month                                     |          |
| 116 390                    | 216 195                    | Extension for reply within second month                                    |          |
| 117 890                    | 217 445                    | Extension for reply within third month                                     |          |
| 118 1,390                  | 218 695                    | Extension for reply within fourth month                                    |          |
| 128 1,890                  | 228 945                    | Extension for reply within fifth month                                     |          |
| 119 310                    | 219 155                    | Notice of Appeal   |          |
| 120 310                    | 220 155                    | Filing a brief in support of an appeal                                     |          |
| 121 270                    | 221 135                    | Request for oral hearing   |          |
| 138 1,510                  | 138 1,510                  | Petition to institute a public use proceeding                              |          |
| 140 110                    | 240 55                     | Petition to revive - unavoidable   |          |
| 141 1,240                  | 241 620                    | Petition to revive - unintentional   |          |
| 142 1,240                  | 242 620                    | Utility issue fee (or reissue)   |          |
| 143 440                    | 243 220                    | Design issue fee   |          |
| 144 600                    | 244 300                    | Plant issue fee  |          |
| 122 130                    | 122 130                    | Petitions to the Commissioner  |          |
| 123 50                     | 123 50                     | Processing fee under 37 CFR 1.17(q)  |          |
| 126 180                    | 126 180                    | Submission of Information Disclosure Stmt                                  |          |
| 581 40                     | 581 40                     | Recording each patent assignment per property (times number of properties) |          |
| 146 710                    | 246 355                    | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149 710                    | 249 355                    | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179 710                    | 279 355                    | Request for Continued Examination (RCE)                                    |          |
| 169 900                    | 169 900                    | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ )

## SUBMITTED BY

Name (Print/Type) **Edwin M. Baranowski**  
Signature **Edwin M. Baranowski**

Registration No. (Attorney/Agent) **27,482**

## Complete (if applicable)

Telephone **614/227-2188**  
Date **12/14/2001**

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